



OSHKOSH® MPT-SERIES MUNICIPAL PATROL TRUCK

VEHICLE TYPE:

4 X 4 Drive.

MAJOR COMPONENTS:

Engine—Cummins ISC 285
 Transmission—Allison MD3060
 Transfer Case—Oshkosh 55000 Series
 Front Axle—Oshkosh Model 18K
 Rear Axle—Meritor Model RS23-160

VEHICLE ESTIMATED NET WEIGHTS:

Front—10,000 lbs.; Rear—4,950 lbs.; Total—14,950 lbs.
 Weights are approximate.

VEHICLE RATINGS:

Ratings at Axle Hubs:
 Front—18,000 lbs.; Rear—23,000 lbs.; Total—41,000 lbs.

RATINGS AT GROUND (NOMINAL):

*Front Axle GAWR (Gross Axle Weight Rating)
 18,000 lbs. with 315/80R22.5 single tires
 *Rear Axle GAWR (Gross Axle Weight Rating)
 23,000 lbs. with 11R22.5 dual tires.
 *Total Axle GVWR (Gross Vehicle Weight Rating)
 41,000 lbs. with above tires.

AIR CLEANER:

Single stage w/pre-cleaner, and selectable inside/outside air intake.

AXLE, FRONT:

Make and Type—Oshkosh Model 18K full floating, single reduction with special heat treated alloy steel shafts, and Oshkosh cage ring-type steering ends with maximum 30-degree turning angle.
 Ratio—5.29:1.
 Rating @ Hub—18,000 lbs.

AXLE, REAR:

Make and Type—Meritor Model RS23-160 full floating, single reduction with special heat-treated alloy steel shafts.
 Ratio—5.38:1.
 Rating @ Hub—23,000 lbs.

BRAKES, PARKING & EMERGENCY:

Type—Spring brakes mounted on rear axle.
 Secondary Emergency System—Modulated Split Type.

BRAKES, SERVICE:

Type—Dual System, air operated, mechanical with ABS.
 Size—Front - 16.5 x 7 in. rotary cam, 434 in.² per axle.
 Rear—16.5 x 7 in. rotary cam, 434 in.² per axle.
 Compressor—Wabco 18.7 CFM.

CAB:

Construction—Oshkosh extra heavy duty; All steel construction with galvannealed exterior; Fully rustproofed; Three-point rubber mounted; 72" wide; Tinted safety glass throughout; One-piece reverse slope windshield; Full width rear window; Full length piano type door hinges with stainless steel hinge pins; R.H. door curb window.
 Accessories—National Air Ride drivers seat, Static passenger seat; Heated West Coast type mirrors; Dual sun visors; Grab handles; Floor mat; Fresh-air-type heater and defroster; Side window defrosters; Windshield washer; Dual top mounted electric wipers with intermittent speed control; Three-point seat belts; Electric horns; Air horns with snow shields.

INSTRUMENTATION

Gauges/Warning Lights: Fuel level, Coolant temperature, oil pressure, voltmeter, speedometer, tachometer with engine hourmeter, low oil pressure, and high coolant temperature warning light; Transmission temperature warning light; Low air pressure buzzer and light; Panel mounted manual reset type circuit breakers.

CHASSIS EQUIPMENT:

Single fifty-gallon fuel tank mounted under cab LH side; Crankshaft P.T.O. adapter; Vertical cab mounted exhaust with stainless steel shield; Steel fenders; Aluminum butterfly hood; Back-up alarm; Heated fuel/water separator; Bendix AD-9 heated air dryer with extended purge.

COOLING SYSTEM:

Radiator Core—Fin and tube type.
 Construction—Top and bottom tanks and side members are bolted together to form a frame surrounding the radiator core.
 Built-in deaeration system.
 Engine air intake cooler—Mounted in front of radiator.
 Fan Hub—Temperature controlled clutch.

ELECTRICAL SYSTEM:

Alternator—145 amp.
 Lighting—12 volts; Starting—12 volts.
 Batteries—(2) 12 volt 900 CCA each at 0 degrees F. (1800 CCA total)

ENGINE DATA:

Make & Model—Cummins ISC 285, four-stroke.
 Type—In-line 6.
 Peak Power—285 H.P. @ 2000 R.P.M.
 Governed Power—275 H.P. @ 2200 R.P.M.
 Maximum Torque—800 lb. ft. @ 1300 R.P.M.
 Displacement—505 cu. in.; 8.3 L.
 Automatic engine shutdown system w/ warning light & buzzer for low oil pressure/high temperature/low coolant level.

FRAME:

Material—Carbon manganese steel, heat treated.
 Type—Single formed channel, straight frame.
 Size—12-3/8 x 3-7/8 x 3/8 in.
 Yield Strength—110,000 PSI minimum.
 Section Modulus—24.85 in.³ per rail.
 RBM—2,733,500 in. lbs. per rail.
 Frame Construction—Grade 8 bolts & locknuts.

LIGHTING:

Standard lighting to meet federal requirements.
 Two (2) fender mounted halogen headlights, Tail, Stop, Turn, Backup, Clearance, and marker lights meeting FMVSS requirements.

PAINTING:

Polyurethane enamel—One color from Oshkosh standard color chart with flat black hood, black frame.

PROPELLER SHAFTS:

Make and Model—Dana 1710 Series, half-round.
 Dynamically Balanced.
 Splines—Glidecote treated.

STEERING SYSTEM:

Sheppard M110 integral hydraulic power assist gear.

SUSPENSION, FRONT:

Type—Hotchkiss, semi-elliptic spring.
 Rating—18,000 lbs.

SUSPENSION, REAR:

Make and Type—Hotchkiss, semi-elliptic spring.
 Rating—23,000 lbs.

TIRES:

Type—Radial, singles front and duals rear. 315/80R22.5 Michelin XZY-1 front. 11R22.5 Michelin XDE A/T rear.

TRANSFER CASE:

Make and Model—Oshkosh 55000 series front axle disconnect.
 Type—Helical gear, two speed.
 Ratios—1.5:1 and 0.98:1

TRANSMISSION:

Model—Allison MD3060 (auto)
 Speeds—5 Forward, 1 Reverse
 Ratios—5th—.75:1, 4th—1.00:1, 3rd—1.41:1, 2nd—1.86:1, 1st—3.49:1, Rev. 5.03:1

WHEELBASE:

158 inches

WHEELS:

Size—Front— 22.5 x 9
 Rear— 22.5 x 8.25
 Type—Steel disc, 10 bolt, 11.25 inch bolt circle.

MAJOR OPTIONS

315 H.P. engine: Cummins ISC 315 (Peak power 315 H.P. @ 2000 R.P.M.; Governed power 300 H.P. @ 2200 R.P.M.; available only with Allison MD3066 automatic or manual transmission)	75 or 100 gallon fuel tank
Allison MD3066 5-speed transmission	Stainless steel grille
Allison MD3560 5-speed transmission	Master battery disconnect switch (at battery box)
Eaton/Fuller RT11609A manual transmission	High idle/cruise control
Oshkosh ALL STEER® electronic all-wheel steering	Heated windshield wipers
26,000# rear axle: Meritor model RS-26-160	Heated windshield (not available with air conditioning)
30,000# rear axle: Meritor model RS-30-180	Air conditioning (not available with heated windshield)
Driver-controlled differential lock, rear axle only	Driver's air-suspended, high-back, cloth-covered seat with arm rests
No-spin differential, rear axle only	Passenger cloth covered air-ride seat
Oshkosh two-speed transfer case with bevel gear differential	AM/FM radio with cassette and weather band
Oshkosh two-speed transfer case with automatic locking (Dorr Miller) differential	Tilt/telescoping steering wheel
RH wing suspension	RH side window wiper
LH wing suspension	LH side window wiper
Front bumper of painted steel	Spare wheel/tire
	Tread pattern, front and rear tires

For reference only. The addition of options will change the listed standard dimensions and weights in some cases. For certified dimensions and weights, consult Oshkosh Truck Corporation. Specifications, descriptions and illustrations in this literature are as accurate as known at the time of publication but are subject to change without notice. Ratings are general guidelines. Actual ratings vary with application and duty cycle. Illustrations may include optional equipment and accessories but may not include all standard equipment. Consult Oshkosh Truck Corporation for additional information.

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